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Product Datasheet

Z-Leu-Arg-AMC FBM-10-5386

Article Name	Z-Leu-Arg-AMC
Biozol Catalog Number	FBM-10-5386
Supplier Catalog Number	10-5386
Alternative Catalog Number	FBM-10-5386-5MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Fluorogenic Cathepsin K substrate...
Molecular Weight	615.13
Purity	>97% HPLC Amino acid analysis and identity: Confirmed, Peptide content 93%
Form	White solid
CAS Number	[156192-32-4]
Formula	C ₃₀ H ₃₈ N ₆ O ₆ HCl
Application Notes	Z-Leu-Arg-AMC (156192-32-4) is a sensitive Cathepsin K fluorogenic substrate ($K_m=8\mu\text{M}$, $k_{cat}/K_m=4 \times 10^5 \text{ M}^{-1}\text{s}^{-1}$) ¹⁻³ . It is cleaved more slowly by the following cathepsins (k_{cat}/K_m : B (105) ⁴ , F (106) ⁴ , L (106) ^{4,5} , L2/V (104) ⁵ , S (105) ^{2,4,5} . Also cleaved by malaria parasite proteases berghepsin ⁶ , vivapain-2 and -37, and falcipain-1, -2, and -36,8,9. Excitation: 365nm, Emission: 440nm.